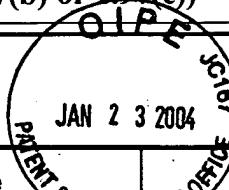


**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))**

Docket No.
RESP:109US

In Re Application Of: CAO et al.



Serial No.
10/665,535

Filing Date
September 19, 2003

Examiner
N/A

Group Art Unit
2131

Title: **EFFICIENT OPTICAL NETWORK DESIGN USING MULTI-GRANULAR OPTICAL
CROSS-CONNECTS WITH WAVELENGTH BAND SWITCHING**

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

- The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

- The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

the statement specified in 37 CFR 1.97(e);

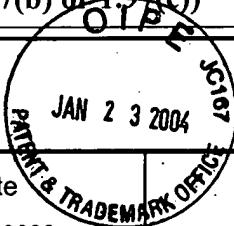
OR

the fee set forth in 37 CFR 1.17(p).

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
RESP:109US

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Serial No.	Filing Date	Examiner	Group Art Unit
10/665,535	September 19, 2003	N/A	2131

EFFICIENT OPTICAL NETWORK DESIGN USING MULTI-GRANULAR OPTICAL
CROSS-CONNECTS WITH WAVELENGTH BAND SWITCHING

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

A check in the amount of _____ is attached.

The Director is hereby authorized to charge and credit Deposit Account No. 50-0822 as described below.

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Credit any overpayment.

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Certificate of Transmission by Facsimile*

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (F:

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S. Peter Konzel, Esq., Registration No. 53,152

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Signature

Dated: January 21, 2004

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CC:



**U.S. UTILITY PATENT APPLICATION
ATTORNEY DOCKET NO. RESP:109US**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
In the Matter of United States Patent Application:

Applicant(s): CAO et al.

Examiner: N/A

Application No.: 10/665,535

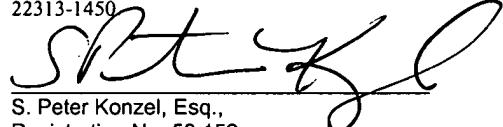
Art Unit: 2131

Filed: September 19, 2003

For: EFFICIENT OPTICAL NETWORK DESIGN USING MULTI-GRANULAR OPTICAL
CROSS-CONNECTS WITH WAVELENGTH BAND SWITCHING

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S. Peter Konzel, Esq.,
Registration No. 53,152

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Honorable Sir:

This Information Disclosure Statement is submitted in compliance with 37 C.F.R. §§ 1.56
and 1.97 through 1.98.

Record is attached of published art for consideration during prosecution of the above-identified patent application. No representation is made or intended that a search has been made or, if made, was complete, or that no more pertinent art than that listed is available. It is expected that the Patent and Trademark Office will conduct an independent search for relevant prior art.

Unless otherwise indicated, or unless references cited are U.S. patents or patent application publications, a full text copy of the entire reference of published art is attached. Where specifically indicated, an equivalent English language patent or publication is attached in lieu of the translation.

In accordance with the Patent and Trademark Office Notice of August 15, 1980, also enclosed is a completed Form PTO-A820 (Form PTO-1449).

Respectfully submitted,



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Dated: January 21, 2004

RPS/LAC/SPK/rca
Enclosures (8 References)

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>		Docket Number (Optional) RESP:109US	Application Number 10/665,535
		Applicant(s) CAO et al.	
		Filing Date September 19, 2003	Group Art Unit 2131
*EXAMINER INITIAL	OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
	(3)	R. Lingampalli and P. Vengalam, "Effect of wavelength and waveband grooming on all-optical networks with single layer photonic switching," <i>Proceedings - OFC</i> , 2002, p. ThP4.	
	(4)	L. Noirie, C. Blaizot, and E. Dotaro, "Multi-granularity optical cross-connect," in <i>ECOC</i> , 2000.	
	(5)	L. Noirie, M. Vigoureux, and E. Dotaro, "Impact of intermediate grouping on the dimensioning of multi-granularity optical networks," in <i>Proceedings - OFC</i> , 2001, pp. TuG3-3.	
	(6)	K. Harada, K. Shimizu, T. Kudou, and T. Ozeki, "Hierarchical optical path cross-connect systems for large scale WDM networks," in <i>Proceedings - OFC</i> , 1999, pp. WM55-3.	
	(7)	M. Lee, J. Yu, Y. Kim, C. Kang, and J. Park, "Design of hierarchical crossconnect WDM networks employing a two-stage multiplexing scheme of waveband and wavelength," in <i>IEEE JSAC</i> , vol. 20, no. 1, pp. 166-171, Jan. 2002.	
	(8)	R. Izmailov, S. Ganguly, Y. Suemura, I. Nishioka, Y. Maeno, and S. Araki, "Waveband routing in optical networks, in <i>IEEE International Conference on Communications (ICC '02)</i> , New York, 2002.	
EXAMINER		DATE CONSIDERED	

***EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.**